LUNNATIC™ 3100

FM Radio - Voice Recording - Multi Color LCD - ID3Tag

Energy Sistem®

USER'S MANUAL

We have designed this product thinking about your needs.

Digitalife™!!

www.energysistem.com

*None-use periods: if the unit is left unused for a long period, please take out the battery in order to avoid being corroded by the seepage.

*Do not use the unit in places that are extremely hot, cold, dusty, or humid.

*Avoid the unit being dropped.

*The battery service life may differ under different usage conditions and models

*Please replace the battery when any of the following cases occur:

The logo appears and displays: “low battery” “please charge it”

The keys become inactive

The unit stops running under normal condition.

Important information:
Please read and retain all the operating instructions before operating the unit, we do not assume any liability arising out of improper operation or incidental damages.
Be note to operate this unit with care and back up any files if necessary.

FEATURES

Digital MP3/WMA player

Drive is unnecessary in Windows 2000/XP/ME

USB portable memory disk

Digital recording function with high quality voice

A-B repeat function

5 EQ modes

Support ID3, track name, artist and lyrics (pre-edit) display

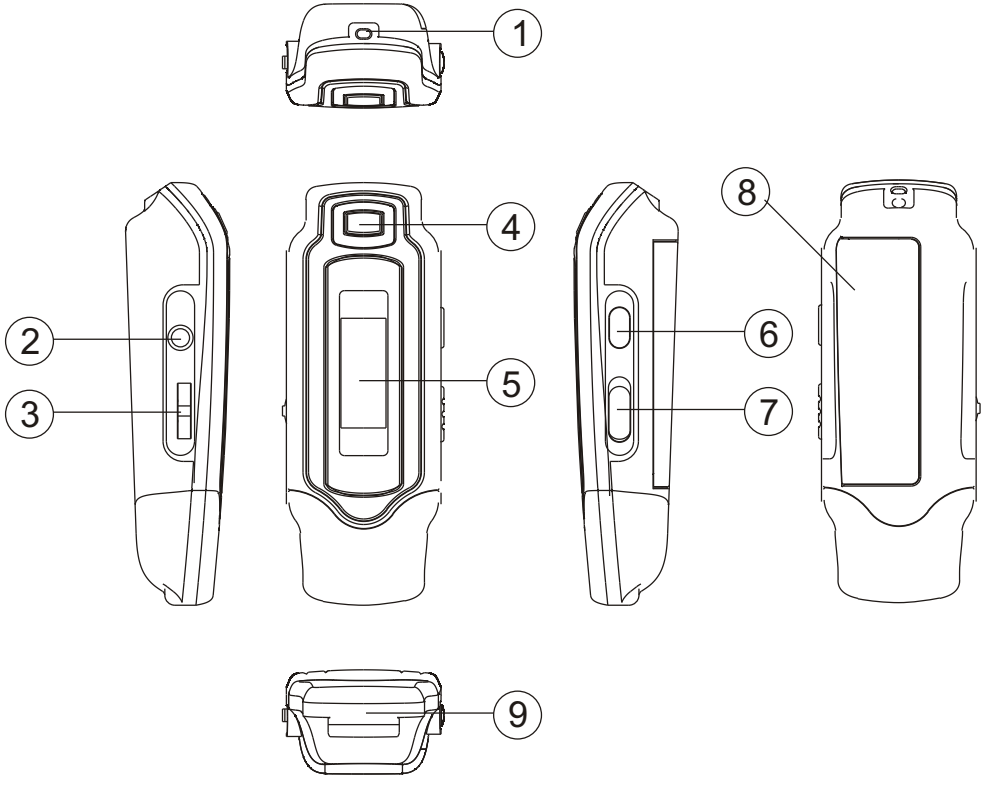
Firmware upgradeable

Fashionable 7-color backlight

USB2.0

Low power consumption

INTRODUCTION OF COVER



1-Cord hole

2-Earphone jack

3-Flywheel key

4-Play/Pause/Stop

/Power ON/ OFF ►II/■

5-LCD

6-REC/A-B repeat

7-HOLD

8-Battery box

9-USB cover

LCD

Music

REC

Volume VOL

USB status Ready

Battery level

Name of playing Music or REC, track number and time display

014/030 04:23

Play Mode

1、 、 5、 5

5 Play modes are provided including Repeat One, Repeat All, Shuffle, Introduce and Normal. (No icon will display in Normal mode)

Five EQ modes are available including normal, rock, jazz, pop and classic

1-Basic Operation

1)Power Supply

It is powered by AAA battery. Open the rear cover of AAA battery case and install the AAA battery as per anode and cathode directions marked on the case.

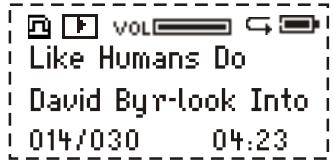
- If the battery electricity is too weak, the LCD will display “Battery Shortage Power OFF”, and the MP player will turn off automatically.
- When the player is in Play state, the battery level might jump due to the electricity surge generated by the different power consumption in playing different songs.

2)Power ON/OFF

Power On: short press “►II/■ ” key to turn on the player, the LCD will display the LOGO of the device, and then it will enter the Stop state of Music mode displaying the icon of Music mode “ ” (MUSIC), Track number, Total tracks number, Total time of track, Song's name, Singer's name, and the icons of Repeat icon, Volume, Stop and battery level.

Power Off: long press “” key (about 5 seconds), the LCD will display the Process indication.
Press and hold the key until the player is turned off.

2-Play Music



Note: the device may play MP3 (MPEG 1 3rd layer, MPEG2 3rd Layer and MPEG2.5 3rd layer) and WMA.

1) Play

In Stop or Pause state, press " ▶II/■ " key to start to play the current song. The LCD will display the Play icon, Repeat icon, Volume, Track number in playing, Playing time of current track, Total tracks number, Names of song and singer, and Battery electricity level.

2) Pause/Stop/Power Off

Pause: in Play state, short press " ▶II/■ " key to pause. LCD will display the Pause icon "II". Further press " ▶II/■ " key to continue to play.

Stop: in Play or Pause state, long press " ▶II/■ " key and the LCD will display the Stop icon " ■ ", the player will stop to play.

Power Off: in Play or Pause state, long press " ▶II/■ " key (about 5 seconds) without release till the Process bar ▬▬▬▬ runs to the end on the LCD, and then the player will be turned off.

Note: In Pause or Stop state, for a power-saving, the Auto OFF time faulted by the system is 60 seconds, that's, if no key is operated within 60 seconds, the system will power off automatically.

3)Previous/Next, F.FWD/F.REV

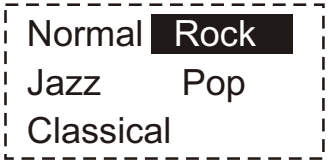
Short press “flywheel key” rightwards to play the next track and short press “flywheel key” leftwards to play the previous track. Long press “flywheel key” rightwards to achieve F.FWD function the LCD will display an icon “ ⏩ ”, the playing time of current track will increase quickly; Long press “flywheel key” leftwards to achieve F.REV function, the LCD will display an icon “ ⏪ ”, the playing time of current track will decrease quickly;

4)Volume Adjustment

In Music or Voice mode, short press “flywheel key” to enter menu, and short press “flywheel key” to select Volume option and press “flywheel key” to confirm the selection, the volume icon “ VOL ▬ ” will blink and then the volume may be increased or decrease by pressing “flywheel key”.

5) Output EQ Mode Setup

IUnder music or voice mode, press "flywheel” to enter the menu, slide the flywheel to select "set" and press flywheel to confirm. Then select "EQ" by sliding flywheel and press flywheel to enter the EQ setting. You can shift Normal, Rock, Jazz, Classical and POP by sliding flywheel and finally press flywheel to confirm and return



6)Play Mode Setup

In Music or Voice mode, short press “flywheel key” to enter menu, short press “flywheel key” to select Setup option and press “flywheel key” to confirm the selection, and then

select “Play Mode” option by pressing “flywheel key”, press “flywheel key” to enter Play Mode Setup mode. Press “flywheel key” to select the Play mode: Normal, Repeat One, Repeat All, Shuffle and Introduce, and the position where the LCD displays Play mode will display accordingly the following icons: “ ”, “ ”, “ ”, “ ”. At last press “flywheel key” to confirm and return to the previous menu.

7)A-B Repeat

Setup: In Play state, short press “REC” key once to set the starting point A-, at the time, the LCD displays A-, further press “REC” key to set the ending point B, at the time, the LCD displays A-B.

Cancel: A. Press REC key to cancel the set A-B repeat and start to play from the canceling position.

B. Long press “►II/■ ” key to stop to play and cancel the A-B repeat.

3-Play Voice

(Note: WAV doesn't support Id3)

In Voice mode, the LCD will display the icon of Voice mode “ ”, the related operation is described as follows:

1)Play

2)Pause/Stop/Power Off

3)Previous REC file/Next REC file, F.FWD/F.REV
4)Volume adjustment
5)Output EQ Mode Setup
6)Play Mode
7)A-B Repeat
Refer to Play Music for details.

4-Track Deletion

In Music or Voice mode, short press “flywheel key” to enter menu, short press “flywheel key” to select Delete option and press “flywheel key” to confirm, and then select Music or Voice option, press “flywheel key” key to enter the deletion mode. At the time, the LCD will display an icon “Delete File? Yes No”, the song name and the confirmation letters “Yes” and “No”. Select “Yes” and press “flywheel key” key to delete the current track and exit Deletion mode; select “No” key to cancel the Deletion operation and exit Deletion mode.

5-Switch between Music and Voice

In Stop or Play state, short press “flywheel key” to enter menu, and select “Music” or “Voice” option by pressing “flywheel key”, press “flywheel key” to confirm.

6-REC

Start to record: In Stop/Pause/Play state of Music or Voice mode, long press REC key till the LCD displays the icon “ ⊙ ”, and then release REC key, the player will start to record.

Note: Vxxx.wav is the Voice recording file, which is saved in Voice folder.

Stop Recording: in Recording state, short press “R” key to stop to record, any other key is unavailable.

7-Function Setup

1)Power Setup

Short press “flywheel key” to enter menu, short press “flywheel key” to select Setup option and press “flywheel key” to confirm, and then select Power Setup option by pressing “flywheel key” and press “Flywheel key” to enter Auto OFF Time Setting state. Press “flywheel key” to select the Auto OFF Time (Cancel Auto OFF, 1 minute, 2 minutes, 5 minutes and 10 minutes). At last press “flywheel key” to confirm and return to the previous menu.

Note: If “Cancel Auto OFF” were selected, the player would not turn off automatically until the battery is used up.

2) Contrast

Short press “flywheel key” to enter menu, short press “flywheel key” to select Setup option and press “flywheel key” to confirm, and then select Contrast option by pressing “flywheel key” and press “flywheel key” key to enter Contrast adjusting state. The LCD will display an icon “

”, press “ ⏯/■ ” key or “flywheel key” key to adjust the contrast of screen.

OFF RED
GREEN BLYE
YRLLOWPURPLE

3**) Backlight Setting**
Short press “flywheel key” to enter menu, short press “flywheel key” to select Setup option and press “flywheel key” to confirm, and then select Backlight Setting option by pressing “flywheel key” and press “Flywheel key” to enter Backlight Setting state. Press “flywheel key” to select the backlight color among: OFF, Red, Green, Blue, Yellow, Purple, Cyan, White and Multi-Color.

4**) Rolling**
Short press “flywheel key” to enter menu, short press “flywheel key” to select Setup option and press “flywheel key” to confirm, and then select Rolling option by pressing “flywheel key” and press “flywheel key” to enter Subtitle Rolling Setting state. Press “flywheel key” to select ON or OFF for subtitle rolling.

5**) Short press** “M” key first and then press “ ⏯/■ ” key or “ ⏯/■ ” key select “Query”

option, press “M” key once again, the LCD will display “VER”, “Total Capacity”, “Rest Capacity”, press any one key to exit.

8-HOLDIn any state, push HOLD key to the “ 🔒 ” direction, the LCD displays an icon “ 🔒 ”, at the time, any other key would be unavailable, and push the key to the “”direction to unlock, the icon “ 🔒 ” disappears.

Note: For a power-saving consideration, when the HOLD key is activated, press “ ►II/■ ” key to turn on the device, the LCD will display the LOGO of this player and the icon “Keys is locked”, and then it will power off automatically.

9-Lyric Edit

a)First, turn on the Winamp, and load the MP3 whose lyric needs to be edited, and then open the LRC (Edition 3.4) lyric editor, the lyric may be typed into the textbox of LRC editor, or click “File/Open”, place the lyric file on a text basis that has been edited into LRC editor, as show in the figure below:

b)When the music is played to reach the corresponding lyric, press [Add Tag], the time tag shall display in front of the lyric.

c)Fill the proper information in “Track Name”, “Singer”, “Album” and “Editor” (Optional to fill).

d)Finally, click “Save As (A)” in “File (F)” of LRC to save the lyric file that has bœn

edited.

Note: The lyric filename should be corresponding to the filename of MP3 song, and the MP3 song and its corresponding lyric should be copied into the player at one time. And then the lyric shall be displayed synchronously in playing the MP3 song.Note:

(1)It's advised that the lyric of each sentence should be within 16 monocases (Such as English letters or numbers) or 8 dual cases (Such as Chinese characters)

(2)The following symbols are advised to avoid for the names of subject and singer:
\/ : * ? “ < > | [ ].

(3)The lyric file should be made smaller than 1K bytes, otherwise, the surplus wouldn't be displayed.

WINAMP
00:05
5) *** 1. Emilia - Big Big World (
192 kbps 44 kHz
mono stereo
EQ PL
SHUFFLE
WINAMP EQUALIZER
ON AUTO
PRESETS
+12 db
+0 db
-12 db
PREAMP
60 170 310 600 1K 3K 6K 12K 14K 16K
WINAMP PLAYLIST
1. Emilia - Big Big World 3:25
ADD REM SEL MISC
0:00/3:25
00:05
LIST OPTS

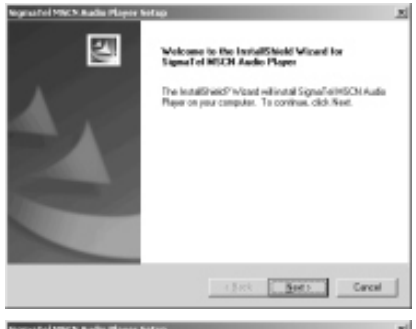
LRC Editor 4.0
File Tag Playback Option Help
1. Emilia - Big Big World - Winamp
Title
Big Big World
Artist
Emilia
Album
Language
English
Editor
Offset (ms)
0
[00:04.76]I'm a big big girl in
[00:07.76]a big big world It's
[00:10.38] not a big
[00:11.70]big thing if
[00:13.41]you leave
[00:14.72]me but I do
[00:17.01]do feel that I
[00:19.23]too too will
[00:20.99]miss you much
[00:24.84]miss you much
[00:30.61]I can see the
[00:32.15]first leaf
[00:33.42]falling It's
[00:36.50]all yellow
[00:38.63]and nice
[00:39.91]it's so very
[00:42.79]cold outsid
[00:44.99]like the way
[00:48.06]I'm feeling
[00:50.26]inside I'm a
[00:52.10]big big girl
[00:53.56] in a big big
001 - 001
[00:05.31]

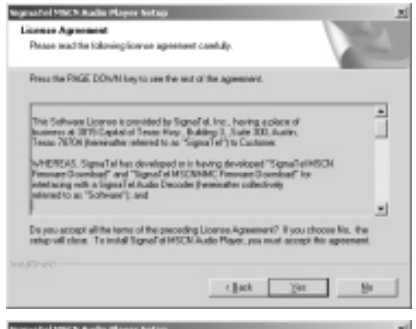
10-Connecting with a computer:

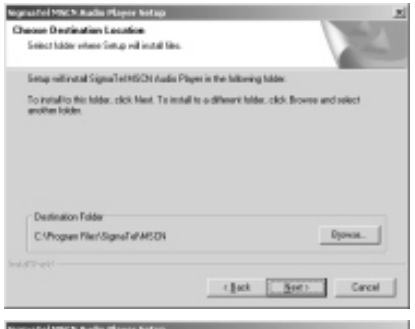
1). Installation of driving program

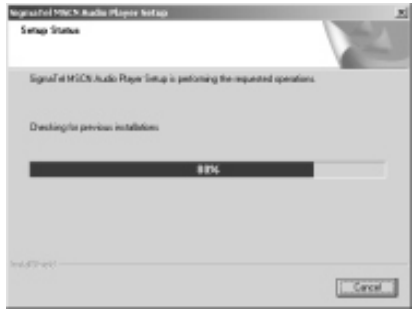
Note: a) Windows 98 base needs installation of driving program, while Windows 2000/XP/ME do not . b) DO NOT connect the MP3 player to the computer before installation is completed. c) if you want to use win 2000, the windows2000 service pack 3.0 (in the install CD)must be installed.

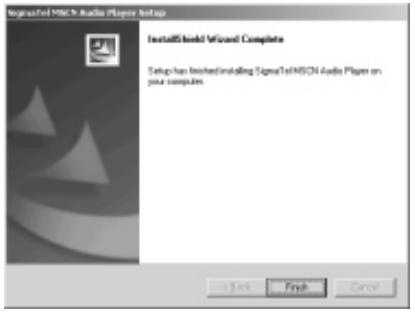
1.Load the provided installation CD into the CDROM or download the driving program from the company website.









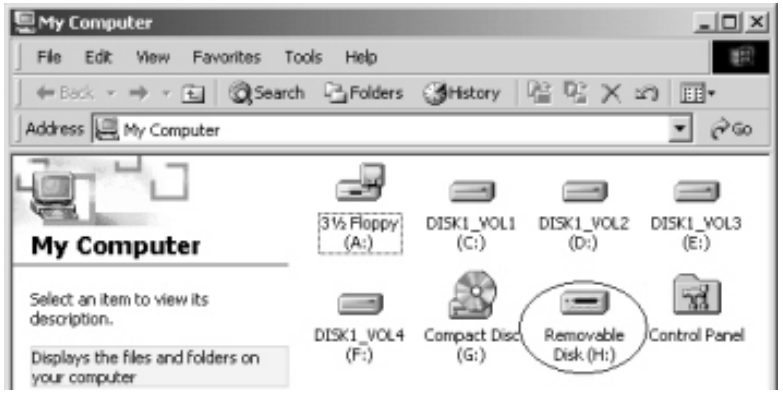


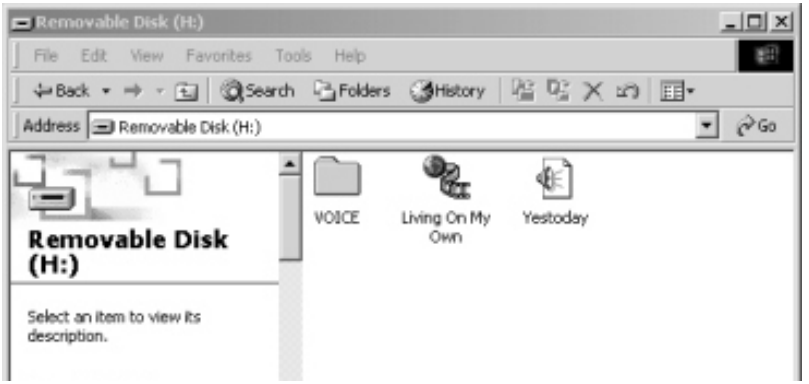
2.Double clicks on SETUP. EXE, pictures will be shown as follows: Then click Next>Yes>Next>Next>Finish according to the reminder.
Installation is finished.

2). Connecting to a computer

Connect your MP3 player to PC via USB cable, press ▶II/■ button or under the condition that the unit was turned on, the window will appear indicating the new hardware has been found, then the system will automatically install the drive program. After it, a mobile disk icon (see as following) will be found in "My computer" with

on LCD display.





3). Upload/ Download files

So long as the driving program has been properly installed, the MP3 player itself is a

mobile disk after being connected to a computer. Therefore the file transfer is operated in the same way as the ordinary disk.

Note: a. Don't unplug the MP3 player during the process of uploading or downloading files; otherwise, it may cause dysfunction of the unit due to the damage to the software. For details, please see Trouble shooting.

Note: a. Don't unplug the MP3 player during the process of uploading or downloading files; otherwise, it may cause dysfunction of the unit due to the damage to the software. For details, please see Trouble shooting.

b. When you want to unplug the MP3 player from the USB port of the computer, be noted to

on LCD. If LCD is blinking with “ Usb- SA” or “Usb-rd”, it indicates that data is being transferred. Plug the MP3 player when it display

Special notice: Normal uninstallation for USB device is required under Windows 2000 or Windows XP; otherwise it may cause damage or data loss to the player.

Operation steps are as follow:

a.Double clicks on icon of “Unplug or Eject Hardware” on bottom right corner of the computer (note: under XP, it is “delete hardware safely”) as following:

b.Click Stop on the pop-up window. Refer to the following picture on the left.

c.Click OK on the pop-up window. Refer to the following picture on the righ:

Unplug or Eject Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
SigmaTel MSCN USB Device
Generic volume - (H:)
USB Mass Storage Device at USBMSC Audio Player
Properties
Stop
Display device components
Show Unplug/Eject icon on the task bar
Close

Stop a Hardware device
Confirm devices to be stopped, Choose OK to continue.
Windows will attempt to stop the following devices. After the devices are stopped they may be removed safely.
USB Mass Storage Device
Generic volume - (H:)
SigmaTel MSCN USB Device
OK
Cancel

d.Click OK on the pop-up window. See the following window.

You may then unplug the MP3 player from USB port after the above steps.

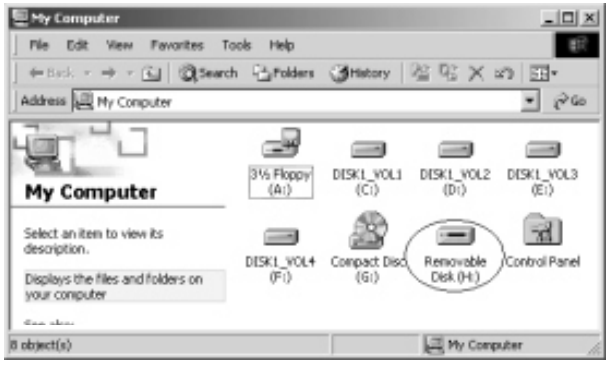
4) Upgrade/Renew Software

You'd better not upgrade the software unless the player works abnormally, i.e. not able to be powered on.

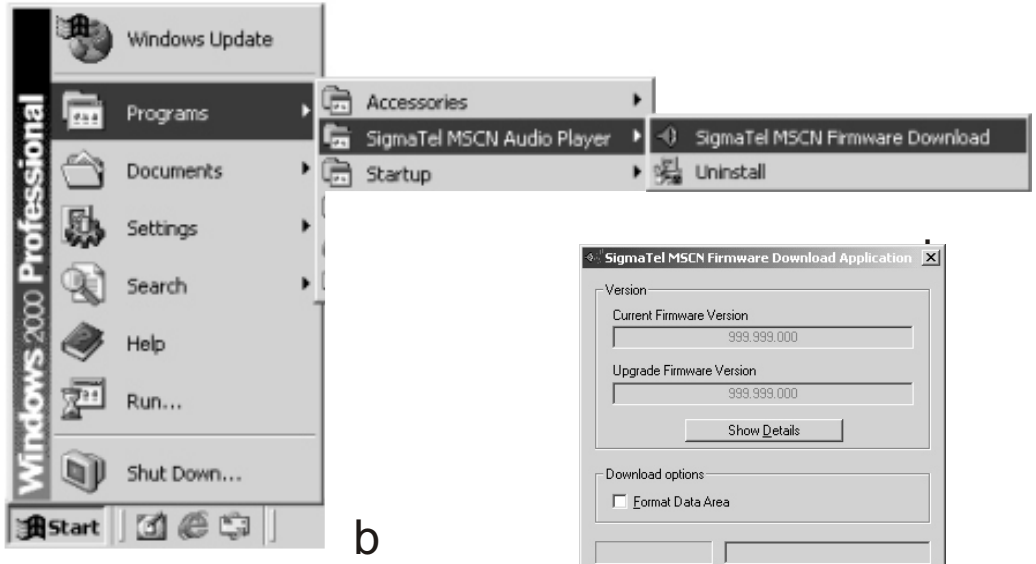
A.Connect MP3 with computer.

B.Press ►II/■ button, or MP3 has already been in ON status, then a mobile disk icon will

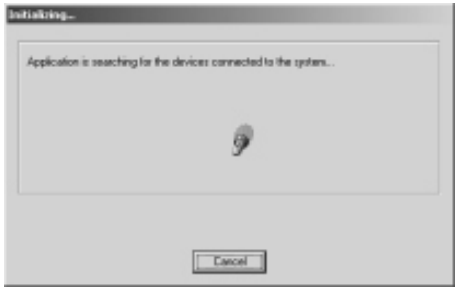
appear in “My Computer”, see picture a:
C. Steps: Start>Program>SigmaTel MSCN Audio Player>SigmaTel MSCN Firmware Download, see the following picture b.
Then a window will pop out as picture c:



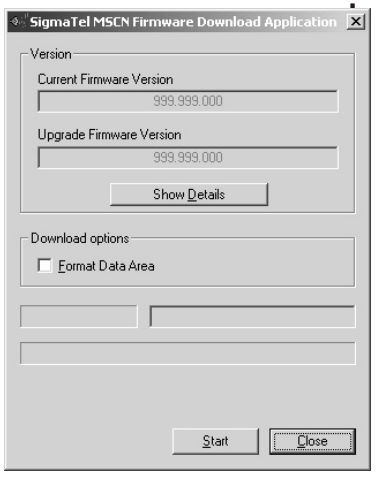
a



b



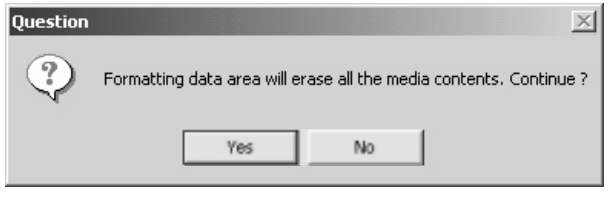
c



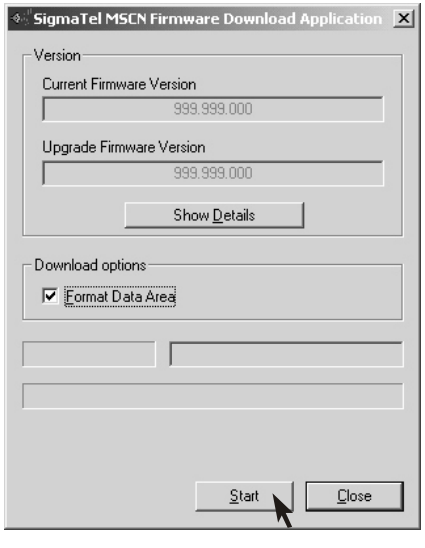
d

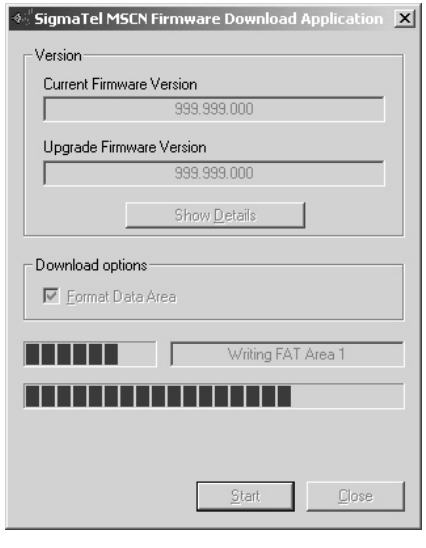
After the above windows close automatically, the window of upgrading software will pop out as picture d:

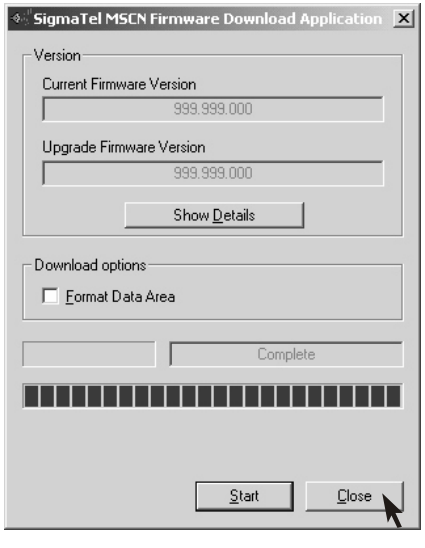
Note: if you want to format data area of the flash while upgrading, you need to choose Format Data Area. System will pop out a window as the following picture. If you want to format Data Area, click “yes”.



D: Click “Start” button and start upgrading software, see as follows:





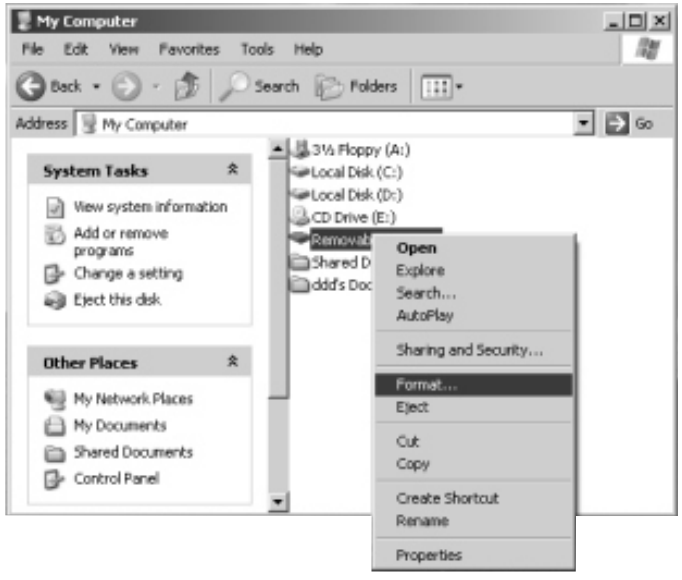


E: After upgrading, please click “Close” button.

5). Format the MP3 Player

A.Press ►II/■ after connecting the player to the computer.

B.Click “mobile disk” with right button of the mouse, and choose “Format” from the menu, see the right picture:



C.That the format window will pop out, see the above picture:

D.Click “Start” in the format window. Then click “OK” button in the pop-out window and start formatting MP3 flash.

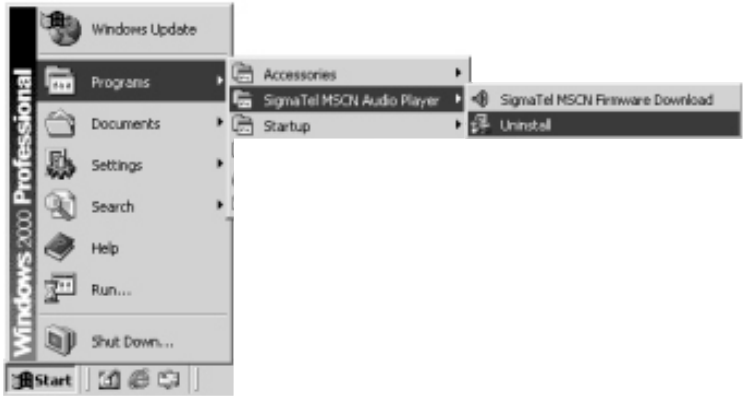
Format Removable Disk (F:)
WARNING: Formatting will erase ALL data on this disk.
To format the disk, click OK. To quit, click CANCEL.
OK
Cancel

E.After formatting, click “OK” button in the right picture.

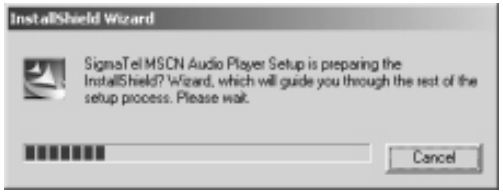
6). Uninstall the driving program

A.Disconnect the player to the computer.

B.According to the following picture, click Start>Program> SigmaTel MSCN Audio Player>Uninstall, or Control Panel>Explorer

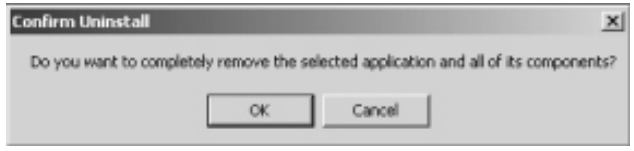


Immediately the following window will pop out.

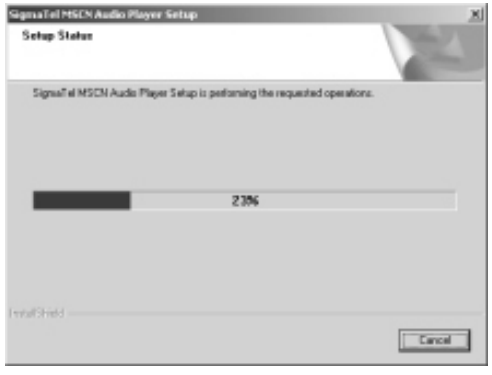

InstallShield Wizard
SigmaTel MSCN Audio Player Setup is preparing the InstallShield? Wizard, which will guide you through the rest of the setup process. Please wait.
Cancel

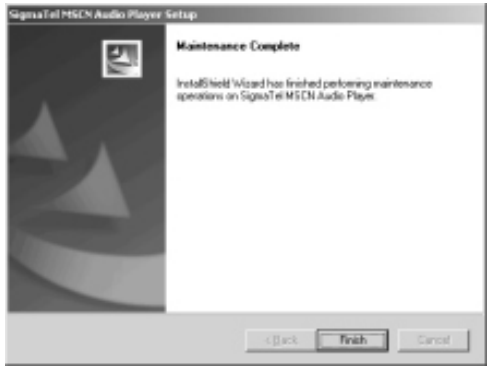
Click “ Cancel” if you want to cancel the operation, otherwise the following

conversation window will appear.



Click “OK” to start cancel the driving program, with the following conversation window appear then.





Click Finish when uninstall completes.

Note: This driving program may prevent driving program installation of other MP3 products. Download driving program manually under device manager or refer to the technical support of our company.

Steps for downloading driving program manually:

A.Under Windows 2000/XP, click “My computer>Properties>Hardware>Device Manager” with the right button on the mouse. See following picture on the left.

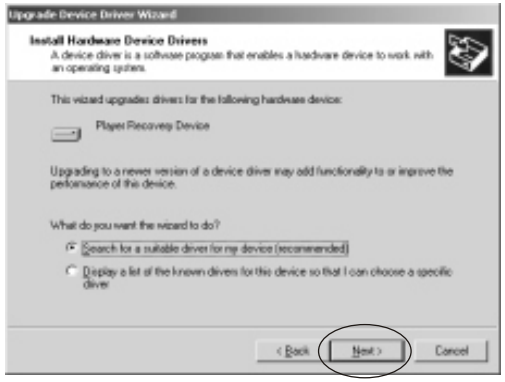
Double click Player Recovery Device Class>Player Recovery Device, see as follows:

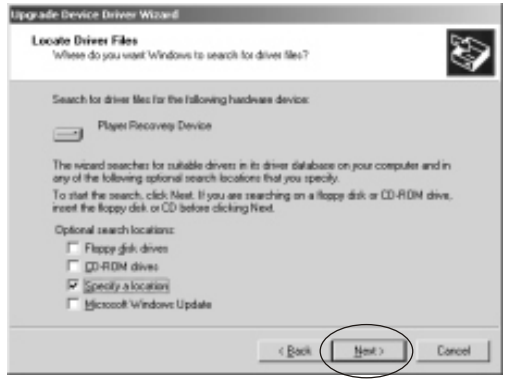
Click Driver>Update Driver... the following windows will pop-up.

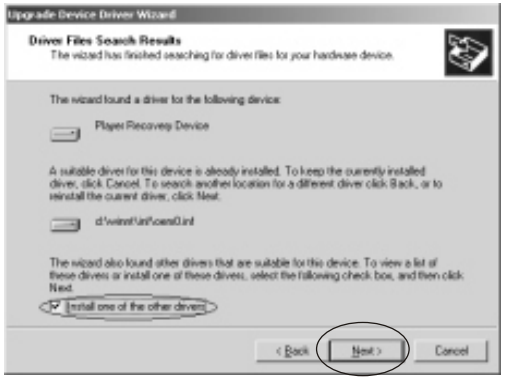
Player Recovery Device Properties
General Driver
Player Recovery Device
Driver Provider: Player
Driver Date: Not available
Driver Version: 1.73.0.139
Digital Signer: Not digitally signed
To view details about the driver files loaded for this device, click Driver Details. To uninstall the driver files for this device, click Uninstall. To update the driver files for this device, click Update Driver.
Driver Details...
Uninstall
Update Driver...
OK
Cancel

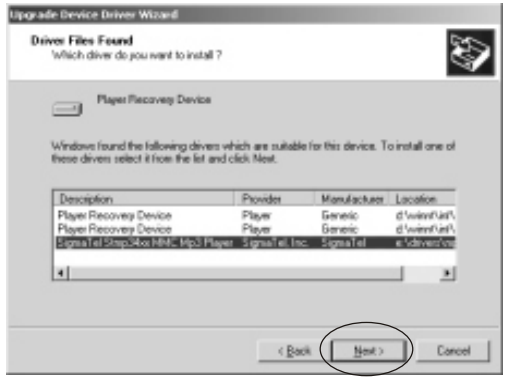
Upgrade Device Driver Wizard
Welcome to the Upgrade Device Driver Wizard
This wizard helps you upgrade a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

Click NEXT on each continuously appearing window.


Upgrade Device Driver Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard upgrades drivers for the following hardware device:
Player Recovery Device
Upgrading to a newer version of a device driver may add functionality to or improve the performance of this device.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel


Upgrade Device Driver Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Player Recovery Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel


Upgrade Device Driver Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Player Recovery Device
A suitable driver for this device is already installed. To keep the currently installed driver, click Cancel. To search another location for a different driver click Back, or to reinstall the current driver, click Next.
d:\winnt\inf\oem0.inf
The wizard also found other drivers that are suitable for this device. To view a list of these drivers or install one of these drivers, select the following check box, and then click Next.
Install one of the other drivers
< Back
Next >
Cancel



B.After connecting the player to the computer, click “My computer>Properties>Device Manager” by right button on mouse under Windows 98, to check whether there is “Player Recovery Device” in device manager, see following picture.

Double click Player Recovery Device Class>Player Recovery Device, see as follows:
Click Driving Program as follows:

Click Driver>Update Driver...

①

Update Device Driver Wizard
This wizard searches for updated drivers for:
Player Recovery Device
A device driver is a software program that makes a hardware device work.
Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
< Back
Next >
Cancel

②

Update Device Driver Wizard
Windows will search for updated drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
E:\DRIVERS
Browse...
< Back
Next >
Cancel

③

Update Device Driver Wizard
Windows was unable to locate an updated driver for this device, but did find other drivers that should work with this device.
You are already using the best driver for this device.
What do you want to do?
Continue using the current driver. (Recommended)
Player Recovery Device
Install one of the other drivers.
View List...
< Back
Next >
Cancel

④

Update Device Driver Wizard
Windows driver file search for the device:
SigmaTel Stmp34xx MMC Mp3 Player
Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
E:\DRIVERS\MP3DRV.INF
< Back
Next >
Cancel

Installation is finished.

11-Trouble Shooting

1.Why can't some MP3 be played?

Standard MP3 only includes: the songs in layer 3 of MPEG 1, layer 3 of MPEG 2 and layer 3 of MPEG 2.5. Otherwise, it won't be played in the player except transformed by the corresponding software.

2.Why doesn't the memory size displayed under the operational system match the figure on the tab?

The software in the MP3 player takes up a small portion of the memory, which coincides with the corresponding standards.

3.About WAV format

This solution supports WAV files of IMA ADPCM format only. If you want to store WAV files of other format in this player, please set up a new folder and store the WAV files in it. Don't put the WAV files of other format into the root directory of the mobile disk and the folder of VOICE, otherwise, the player may shut down when play such WAV files.

4.What causes the MP3 player running slowly?

Using or deleting files frequently in a long time will generate fragments in the flash

memory, like fragment in the hard disk, which will cause the player running slowly.

5.What if the driving program of the MP3 player be damaged?
This is caused by improper operation. For details, please refer to the Upgrade/Renew Software part.

6.What if the MP3 play works abnormally, i.e, shutting down?
When abnormal causes occur due to improper operation, take out the battery and reload it.

SPECIFICATION

Specification

Flash memory: 128MB/256MB/512MB/1024MB (refer to the indicator on the packing)

Max recording time: 8Hr/16 Hr/32Hr/64Hr

Dimensions: 84mmx31mmx20mm

Weight: 27.3g

Power source: 1x DC 1.5V AAA alkaline battery

Memory medium: built-in flash memory

Microphone: built-in capacitor MIC

Input: built-in MIC

Output: double-channel earphone, above 8 ohm.

Condition to use: 0-40°C

Basic accessory: user's manual, USB cable, earphone, neck strap,
installation CD, carrying case.